

In the Claims

Please amend the Claims as follows.

1. (Currently Amended) A system for providing notification of severe weather, the system comprising:

a transmitter ~~for transmitting a~~ configured to transmit at least one signal comprising for the notification including comprising type data indicating a type of severe weather and area designation data for a specific area comprising at least one member of a group consisting of sector data indicating a sector a specific area in which the severe weather is expected and city/county data indicating a city/county in which the severe weather is expected; and

a plurality of receivers each configured to receive and process the at least one signal and, if configured to cover an area corresponding to the specific area identified in the area designation data, to cause an alarm to be triggered for the type of severe weather for the specific area,

~~wherein the transmitter is activated to transmit the signal by an emergency warning mechanism controlled by a local authority; and~~

~~a plurality of receivers, in said specific area, programmed with said sector data including a code indicating the specific area in which the receivers are located;~~

~~wherein each of the receivers annunciates an alarm in response to receiving said signal only when the sector data received in the signal matches code programmed therein.~~

2. (Currently Amended) The system of claim 1, further comprising an wherein the emergency warning mechanism configured to activate the transmitter for transmitting the at least one signal and to active also activates a siren when the transmitter is activated.

3. (Currently Amended) The system of claim 1, wherein the emergency warning mechanism comprises a control unit ~~coupled to~~ configured to activate the transmitter and the siren.

4. (Currently Amended) The system of claim 1, wherein said the emergency warning mechanism is controlled by a local authority comprises an authority in a county in which said specific area is located.

5. (Currently Amended) The system of claim 1, further comprising at least one authority to activate the transmitter, wherein said the local authority comprises an authority in comprising at

least one member of a group consisting of a municipality in which said the specific area is located and a county in which the specific area is located.

6. (Currently Amended) The system of claim 1, wherein:

~~each of the receivers include a timer that, when timed out, generates a trouble alarm;~~  
~~the transmitter sends, at a regular interval, a test signal that, when received by one~~  
~~of the receivers, causes the timer to be reset to prevent the trouble alarm~~  
~~from being generated; and~~

~~the timer, when reset, times out in a period slightly greater than the interval of the test~~  
~~signal if the test signal is not received.~~

the transmitter further is configured to transmit a test signal at a regular interval; and  
each of the receivers comprises a timer configured to time out in a period greater than the  
regular interval of the test signal, to generate a trouble alarm upon timing out, and  
to reset upon receiving the test signal.

7. (Currently Amended) A system for providing, ~~to a specific area,~~ notification of severe weather for a specific area comprising:

a warning siren;

a transmitter for transmitting configured to transmit a signal containing said notification,  
for the notification comprising weather sector data indicating the specific area in  
which the severe weather is expected and type data indicating a type of the severe  
weather; and

a plurality of receivers in said the specific area tuned to a frequency transmitted by the  
transmitter, each programmed with receiver sector data corresponding to a  
geographic area and each configured to cause an alert to be triggered for the type of  
severe weather if the weather sector data matches the receiver sector data;

~~wherein the siren and the transmitter are simultaneously activated by a local an entity~~  
~~authorized to provide said the notification in said for the specific area, and~~  
~~wherein said receivers announce an alert in response to receiving said signal.~~

8. (Cancelled) The system of claim 7, wherein the specific area is divided into sectors, and the signal comprises sector data indicating which of the sectors are to receive said notification.

9. (Currently Amended) The system of claim 87, wherein the receivers are programmed with said the receiver sector data including for each receiver comprises a code for the specific area in which for a location of the receiver, receivers are located, and wherein one of the receivers annunciates said alert only when the sector data received by said one of the receivers matches the sector data programmed therein.

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10. (Currently Amended) The system of claim 7, further comprising a control unit configured to activate the transmitter and the siren wherein the transmitter and the siren are coupled to and activated by a control unit that is activated by the local entity.

11. (Currently Amended) The system of claim 7, wherein:

each of the receivers include a timer that, when timed out, generates a trouble alarm; the transmitter sends, at a regular interval, a test signal that, when received by one of the receivers, causes the timer to be reset to prevent the trouble alarm from being generated; and

the timer, when reset, times out in a period slightly greater than the interval of the test signal if the test signal is not received.

the transmitter further is configured to transmit a test signal at a regular interval; and each of the receivers comprises a timer configured to time out in a period greater than the regular interval of the test signal, to generate a trouble alarm upon timing out, and to reset upon receiving the test signal.

12. (Currently Amended) A system for selective notification of a specific area of severe weather for a specific area phenomena comprising:

a control unit;

a warning siren activated by the control unit;

a transmitter for transmitting configured to transmit at least one a signal containing said for the notification, activated by the control unit the signal comprising sector data indicating the specific area in which the severe weather is expected and type data indicating a type of the severe weather; and

a control unit configured to activate the siren and the transmitter in response to an indication of the severe weather for the specific area; and

a plurality of receivers ~~for receiving each~~ configured to receive the said signal and to cause an alarm to be triggered for the type of severe weather if the sector data indicates the receiver is to trigger activation of the alarm for the specific area;

~~wherein the control unit simultaneously activates said siren and said transmitter in response to an indication that said severe weather is imminent in said specific area;~~

~~wherein said indication is provided by a local entity authorized to provide said notification in said specific area; and~~

~~wherein said receivers annunciate a warning alarm in response to receiving said signal.~~

13. (Currently Amended) The system of claim 12, wherein:

~~each of the receivers include a timer that, when timed out, generates a trouble alarm;~~

~~the transmitter sends, at a regular interval, a test signal that, when received by one of the receivers, causes the timer to be reset to prevent the trouble alarm from being generated; and~~

~~the timer, when reset, times out in a period slightly greater than the interval of the test signal if the test signal is not received.~~

the transmitter further is configured to transmit a test signal at a regular interval; and

each of the receivers comprises a timer configured to time out in a period greater than the regular interval of the test signal, to generate a trouble alarm upon timing out, and to reset upon receiving the test signal.

14. (Currently Amended) A method for selective notification of severe weather for a specific area of severe weather phenomena comprising the steps of:

~~simultaneously activating a siren and a transmitter in response to an indication by a local authority that said severe weather is imminent in said specific area;~~

transmitting a signal containing said for the notification comprising type data indicating a type of the severe weather and area designation data comprising at least one member of a group consisting of sector data indicating a sector in which the severe weather is expected and city/county data indicating a city/county in which the severe weather is expected; and

receiving said the signal for at least one receiver and, in response, causing a warning alarm to be triggered for the type of weather if the at least one receiver is programmed with the area designation data;

~~wherein, in response to receiving said signal, a warning alarm is annunciated.~~

15. (Currently Amended) The method of claim 14, wherein:

~~the signal comprises sector data indicating a specific area in which the severe weather is expected; and~~

~~the signal is received by at least one receiver, in said specific area, programmed with said sector data including the area designation data comprises a code indicating the specific area, and in which the at least one receiver is located in the specific area.~~

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16. (Currently Amended) The system of claim 15, further including comprising the step of:

sending transmitting, at a regular interval, a test signal, that prevents a trouble alarm in the at least one receiver from being generated if the test signal is received by the at least one receiver.

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17. (Currently Amended) The system of claim 14, further comprising activating the transmitter from wherein said local authority comprises an authority in at least one member of a group comprising a county in which said the specific area is located and a municipality in which the specific area is located.

18. (Currently Amended) A receiver for receiving a notification signal of severe weather in for a specific area and a test signal, the notification signal comprising type data indicating a type of severe weather and area designation data indicating the specific area of the severe weather, the area designation data for the specific area comprising at least one member of a group consisting of sector data indicating a sector in which the severe weather is expected and city/county data indicating a city/county in which the severe weather is expected, the receiver comprising:

a timer that, when timed out, generates a trouble alarm when a test signal, transmitted at a regular interval, is not received;

wherein the timer, when reset, times out in a period slightly greater than the interval of the test signal if the test signal is not received; and

a timer configured to time out in a period greater than a regular interval within which the test signal is to be received, to generate a trouble alarm upon timing out, and to reset upon receiving the test signal; and

a decoder configured to decode the type data to determine the type of the severe whether, to decode the area designation data to determine if the receiver is configured to cause an alarm to be triggered for the specific area in which the severe whether is expected, and, if so configured, to cause the alarm to be triggered for the specific area indicated by the area designation data.

~~wherein the notification of severe weather includes sector data indicating a specific area in which the severe weather is expected.~~

19. (Currently Amended) The receiver of claim 18, wherein the receiver is normally connected to an AC power source and a backup battery and can be powered down only by disconnecting the AC power source and the battery.

20. (Currently Amended) The receiver of claim 18, wherein the receiver is tuned to receive the notification signal from a transmitter that is activated by an emergency warning mechanism controlled by a local authority.

21. (Currently Amended) The receiver of claim 18, wherein the receiver is tuned to receive the notification signal from a transmitter that is activated ~~in simultaneity~~ with a warning siren by an emergency warning mechanism controlled by a local authority.

22. (Currently Amended) The system of claim 21, wherein ~~said~~ the local authority comprises an authority in at least one member of a group comprising a county in which said the specific area is located and a municipality in which the specific area is located.

23. (Original) A method for triggering an alarm in response to notification, by a local authority, of severe weather in a specific area, the method comprising the steps of:

receiving the notification comprising a signal containing a system identification code, a type code, a city/county code, and a sector code;

- (a) checking the received system identification code to determine whether the signal is a valid transmission;
- (b) checking the received type code to determine whether the signal is a test signal or a severe weather warning;
- (c) continuing with step (h) if the signal is a test signal;
- (d) checking the received city/county code to determine whether the signal matches a corresponding pre-programmed code;

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- (e) checking the received sector code to determine whether the signal matches a corresponding pre-programmed code;
  - (f) generating a warning alarm if corresponding codes are found in steps (d) and (e), otherwise, ignoring the notification; and
  - (g) generating a trouble alarm if the test signal has not been received within a predetermined interval; otherwise,
  - (h) resetting a timer to the predetermined interval upon receiving the test signal to prevent the trouble alarm from being generated.
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